

CATTLE PASS CONSIDERATION

North Dakota Department of Transportation, Design Division
SFN 10155 (Rev. 08-2002)

Project

Parcel(s)

Station

Owner

FENCED ACREAGE INVOLVED

Total Ac.

Ac. Rt. of L_c

Ac. Lt. of L_c

NUMBER OF CATTLE

Dairy

Beef

Horses

Location of Water Source of Sources

Anticipated Crossings Per Day

Damages

Cost of Well (if applicable)

GENERAL CRITERIA

1. Does the request meet the cattle passes sequence and justification general criteria listed in the Right of Way Manual, 2001 Edition?
☐ Yes ☐ No
 - a. If answer is no, the property owner must pay for the actual contract cost of the installation.
 - b. If the answer is yes, please submit this form to the Design Division.

DESIGN DATA

Design Speed

Decision sight distance available: ☐ Yes ☐ No

DECISION SIGHT DISTANCE (FT.)

Design Speed (mph)

Rounded for Design

30

450- 625

40

600- 825

50

750-1,025

60

1,000-1,275

70

1,100-1,450

AASHTO - Geometric Design of Highways and Streets (2001 Edition)

Forecast Traffic: Pass.

Trucks

Total ADT

Curve or Tangent

Typical Section: Graded Roadway Width

Ft. Inslope Ratio

ECONOMIC FACTORS

Cattle Pass Installation

Length of cattle pass required:
Estimated cost of cattle pass:
Estimated cost of extra excavation (if applicable):
Can cattle pass be combined with a drainage structure? <input type="checkbox"/> Yes <input type="checkbox"/> No

Drainage Structure Data (if applicable)

Size of drainage structure:
Estimated cost of drainage structure:
Drainage area in acres:
Location of drainage structure: Sta.

JUSTIFICATION CALCULATION

1. Estimated cost of cattle pass installation.	\$
2. Estimated cost of drainage structure if a combined structure is possible.	\$
3. Balance to be justified as a cattle pass cost.	\$
4. Amount of safety benefits.	\$
5. Amount of road user benefits.	\$
6. Amount of mitigated damages.	\$
7. Total benefits.	\$
8. Difference between Line 3 and Line 7. If the amount on Line 7 exceeds that on Line 3, the installation is justified.	\$
9. If Line 3 exceeds Line 7, the installation cannot be justified and property owner must contribute the difference of	\$

Approved

☐ Yes ☐ No

Reason and Conditions, if any

By:

NAME (TYPE OR PRINT)

SIGNATURE

TITLE

DATE